(NO CALC)	(CALC)	(NO CALC)	CALC

(NO CALC)

Trinity needs to find the height of a triangle. She knows the formula to find the area of a triangle to be:

$$A = \frac{1}{2}b \cdot h$$

Where b is the base and h is the height. Which equation shows how she can rewrite the formula to help her find the height of the triangle?

A. $A - \frac{b}{2} = h$

B. $h = \frac{A}{2} + \frac{b}{2}$

C. $h = \frac{Ab}{2}$

D. $\frac{2A}{b} = h$

(CALC)

Sarah is sewing a blanket for her nephew. It takes her $\frac{1}{7}$ of an hour to sew $\frac{3}{25}$ of the blanket. What portion of the blanket does she sew per hour?

A. $\frac{25}{21}$

B. $\frac{21}{25}$

C. $\frac{3}{175}$

D. $\frac{46}{175}$

(NO CALC)

Jamesha is painting 3 walls in her bedroom. Each wall measures $8\frac{1}{4}$ feet tall by $12\frac{3}{4}$ feet wide. She needs to estimate the total area she will paint in order to determine the amount of paint to purchase. Which expression best represents the estimated area, in square feet, that she will paint?

A. $3(8) + 3(13)$

B. $3(8) \times 3(13)$

C. $3 + (8 \times 13)$

D. $3(8 \times 13)$

CALC

A zoo surveyed 90 of their annual members about the number of time they visit the zoo every month. The table shows the information

Visits per month	Number of members
0	3
1	9
2	30
3	12
4	8
5 or more	3

There are a total of 630 members. What is the best estimate for the number of members that will visit more than 2 times next month?

A 371

B 161

C 210

D 30

		$\frac{7}{11}$	$\frac{3}{8}$	
$0.6\overline{3}$				
0.375				
$0.\overline{63}$				
$0.37\overline{5}$				

Select the correct decimal for both fractions.

(CALC)

Shirts are on sale for 20% off. The original price of one shirt is $18. What is the total cost, inn dollars, of 2 of these shirts at the same price, including an 8% sales tax?

(NO CALC)

Which number is equivalent to $\frac{53}{12}$?

A. 4.416

B. $4.41\overline{6}$

C. $4.4\overline{16}$

D. $4.\overline{416}$

CALC

A recipe for one strawberry pie calls for $1\frac{3}{4}$ cups of sugar. Ziah only has $\frac{1}{3}$ cup of sugar and she needs to make 4 pies. How many **more** cups of sugar will she need to make all 5 pies?

(NO CALC)

Select all the expressions that are equivalent to:
$$-2(4x - 2) + 5(4x - 2) - 4(-4x + 2)$$

A. $-8x + 4 + 20x - 10 - 16x - 8$

B. $-8x - 2 + 20x - 5 + 16x - 8$

C. $(4x - 2)(-2 + 5 - 4)$

D. $(4x - 2)(-2 + 5+4)$

E. $28x - 14$

F. $-28x + 14$

(CALC)

Elijah has 12 rubber bands. He needs at least 150 rubber bands. The bands he wants are sold in boxes of 5. What is the least number of boxes of 5 rubber bands that he needs to buy?

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(NO CALC)

Which expression is equivalent to: $0.8x$?

A. $1 - 0.2x$

B. $x + 0.8$

C. $x - 0.2x$

D. $0.8x - x$

CALC

An item on the sale rack at a store was marked $3.33. The original price of the item was $5.75. What was the percent discount?